

## CLAIMS

1. Use of a drag-reducing agent containing  
a) a zwitterionic surfactant of the formula



- 10 where  $\text{R}_1$  is acyl group with 12-16 carbon atoms,  $\text{R}_3$  and  $\text{R}_4$  are independently of each other an alkyl group of 1-4 carbon atoms or an hydroxyalkyl group of 2-4 carbon atoms and  $\text{R}_5$  is an alkylene group of 1-4 carbon atoms, preferably  $\text{CH}_2$  or a group



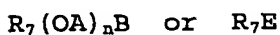
where  $\text{R}_6$  is an alkyl group of 1-3 carbon atoms,

- b) a zwitterionic surfactant of the formula



- 25 where  $\text{R}_2$  is an acyl group with 18-22 carbon atoms, and  $\text{R}_3$ ,  $\text{R}_4$  and  $\text{R}_5$  have the meanings mentioned above, and

- c) an anionic surfactant of the formulae



- or a mixture thereof, where  $\text{R}_7$  is an aliphatic group of 8-14 carbon atoms, A is an alkylene group having 2-4 carbon atoms,  
30 n is a number from 1 to 10, B is a sulphate group  $\text{OSO}_3\text{M}$ , E is

a sulphate group  $\text{OSO}_3\text{M}$  or a sulphonate group  $-\text{SO}_3\text{M}$  and M is a cationic, preferably monovalent group;

the weight of a), b) and c) being 20-95% by weight, 0-70% by weight and 1-50% by weight, respectively, based on the total

5 amount of a), b) and c);

in an amount of a), b) and c) of 50-400 ppm in water having an electrolyte content from 0.01-7% by weight.

2. Use according to claim 1, wherein the component a) and b) are present in an amount of 20-85% by weight and 10-70% by  
10 weight, respectively.

3. Use according to claim 1 or 2, wherein  $\text{R}_2$  contains at least 50% by weight of unsaturated acyl groups.

4. Use according to claim 3, wherein  $\text{R}_2$  contains at least 20% by weight of two or more double bonds.

15 5. Use according to any one of claims 1-4, wherein c) is lauryl sulphate, a lauryl (oxyethylene) $_n$  sulphate, where n is 1-3, or lauryl sulphonate.

6. Use according to any one of claims 1-5, characterized in that the water has an electrolyte content of 0.3-6% by  
20 weight.

7. A drag-reducing agent, characterized in that it contains the components a), b) and c) as defined in claims 2-5.

8. Injection water for the treatment of oil reservoirs, characterized in that the water contains the components a),  
25 b) and c) as defined in claims 1-5 in a total amount of 50-400 ppm and has an electrolyte content of 0.01-7% by weight.

9. Injection water according to claim 8, characterized in that it contains electrolytes in an amount of 0.3-6% by weight.

30 10. Injection water according to claim 8 or 9, characterized in that the water is sea-water or production water.